

CLAIMS

What is claimed is:

1. A method comprising:
receiving an initial code associated with a first framework, the first framework having an object hierarchy; and
converting the initial code to a converted code that combines the object hierarchy of the first framework with an object hierarchy of a second framework.
2. The method of claim 1 wherein the converting produces a class that inherits from a class of the first framework.
3. The method of claim 2 wherein the class of the first framework comprises a superclass of the first framework.
4. The method of claim 2 wherein the class of the first framework comprises a superclass named java.lang.Object.
5. The method of claim 2 wherein the class of the second framework comprises an array class.
6. The method of claim 2 wherein the class of the second framework comprises an array class named System.Array.
7. The method of claim 1 wherein the converting includes creating a new class.

1 8. The method of claim 7 wherein the new class inherits from
2 java.lang.Object and from System.Array.

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4 9. A computer-readable medium storing computer-executable
5 instructions to convert an initial code associated with a first framework, the first
6 framework having an object hierarchy, to a converted code that combines the
7 object hierarchy of the first framework with an object hierarchy of a second
8 framework.

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10 10. A method comprising:
11 receiving an initial code associated with a first framework, the first
12 framework having an exception hierarchy; and
13 converting the initial code to a converted code that combines the exception
14 hierarchy of the first framework with an exception hierarchy of a second
15 framework.

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17 11. The method of claim 10 wherein the converting includes mapping
18 exceptions.

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20 12. A computer-readable medium storing computer-executable
21 instructions to convert an initial code associated with a first framework, the first
22 framework having an exception hierarchy, to a converted code that combines the
23 exception hierarchy of the first framework with an exception hierarchy of a second
24 framework.

1 13. A method comprising:
2 receiving an initial code associated with a first framework, the first
3 framework having an exception hierarchy; and

4 converting the initial code to a converted code that maps the exception
5 hierarchy of the first framework to an exception hierarchy of a second framework.
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7 14. The method of claim 13 wherein the converting includes combining
8 exception hierarchies.
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10 15. A computer-readable medium storing computer-executable
11 instructions to convert an initial code associated with a first framework, the first
12 framework having an exception hierarchy, to a converted code that maps the
13 exception hierarchy of the first framework with an exception hierarchy of a second
14 framework.
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16 16. A method comprising:
17 receiving an initial code associated with a first framework, the first
18 framework having reflection transparency; and

19 converting the initial code to a converted code that supports the reflection
20 transparency of the first framework on a second framework.
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22 17. The method of claim 16 wherein the converting includes checking
23 for methods associated with the reflection transparency of the first framework.
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1 18. The method of claim 16 wherein the converting includes rendering a
2 stack entry transparent.

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4 19. A computer-readable medium storing computer-executable
5 instructions to convert an initial code associated with a first framework, the first
6 framework having reflection transparency, to a converted code that supports the
7 reflection transparency of the first framework on a second framework.

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9 20. A method comprising:
10 receiving an initial code associated with a first framework, the first
11 framework having scoping; and
12 converting the initial code to a converted code that supports the scoping of
13 the first framework on a second framework.

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15 21. The method of claim 20 wherein the converting includes marking a
16 package scope and a protected scope associated with the first framework as a
17 public scope on the second framework.

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19 22. The method of claim 20 wherein the converting includes marking a
20 package scope associated with the first framework as an assembly on the second
21 framework.

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23 23. The method of claim 20 wherein the converting includes marking a
24 protected scope associated with the first framework as an assembly or a family on
25 the second framework.

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2 24. The method of claim 20 wherein the converting includes marking,
3 the marking selected from a member of the group consisting of marking a
4 protected scope associated with the first framework as an assembly or a family on
5 the second framework; marking a package scope associated with the first
6 framework as an assembly on the second framework; marking a package scope
7 and a protected scope associated with the first framework as a public scope on the
8 second framework; and combinations thereof.
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10 25. A computer-readable medium storing computer-executable
11 instructions to convert an initial code associated with a first framework, the first
12 framework having scoping, to a converted code that supports the scoping of the
13 first framework on a second framework.
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15 26. A method comprising:
16 receiving an initial code associated with a first framework, the first
17 framework having type characteristics; and
18 converting the initial code to a converted code that supports the type
19 characteristics of the first framework on a second framework.
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21 27. The method of claim 26 wherein the converting supports type
22 characteristics of the first framework related to casting between real and integer
23 types on the second framework.
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1 28. The method of claim 26 wherein the converting supports type
2 characteristics of the first framework related to overflow and undefined types on
3 the second framework.
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5 29. A computer-readable medium storing computer-executable
6 instructions to convert an initial code associated with a first framework, the first
7 framework having type characteristics, to a converted code that supports the type
8 characteristics of the first framework on a second framework.
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10 30. A method comprising:
11 receiving an initial code associated with a first framework, the first
12 framework having at least one member selected from the group consisting of
13 object hierarchies, exception hierarchies, type characteristics, reflection
14 transparencies, and scoping; and
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16 converting the initial code to a converted code that supports at least one of
17 the selected members on a second framework.
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19 31. A computer-readable medium storing computer-executable
20 instructions to convert an initial code associated with a first framework, the first
21 framework having at least one member selected from the group consisting of
22 object hierarchies, exception hierarchies, type characteristics, reflection
23 transparencies, and scoping, to a converted code that supports at least one of the
24 selected members of the first framework on a second framework.
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